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<110> CBR Institute for Biomedical Research, Inc.
Springer, Timothy A.
Cohen, Edward H.

<120> CONFORMATION SPECIFIC ANTIBODIES

<130> CFBF-P01-022

<140> 10589956

<141> 2007-08-30

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<170> PatentIn version 3.4

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Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Leu
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35 40 45

Ser Tyr Ile Trp Pro Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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Gly Thr Met Val Thr Val Ser Ser
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20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Ala Leu Ile
35 40 45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Ser
85 90 95

Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Thr Glu Val Gln Leu
100 105 110

Leu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu
115 120 125

Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Tyr Val Met Trp Trp
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Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Tyr Ile Trp
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Pro Ser Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val Lys Gly
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ser

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Ser Tyr Asp Phe Trp Ser Asn Ala Phe Asp Ile Trp Gly Gln Gly Thr
35 40 45

Met Val Thr Val Ser Ser Asp Ile Gln Met Thr Gln Ser Pro Ala Thr
50 55 60

Leu Ser Val Ser Pro Gly Glu Arg Val Thr Leu Ser Cys Thr Ala Ser
65 70 75 80

Gln Ser Val Asp Ser Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
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Ala Pro Arg Leu Leu Val Tyr Gly Ala Ser Thr Arg Ala Thr
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Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Ala Phe Thr
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Leu Thr Ile Asp Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys
20 25 30

Gln Gln Tyr Asn Lys Trp Pro Pro Tyr Ser Phe Gly Gln Gly Thr Lys
35 40 45

Leu Glu Ile Lys Arg Thr Glu Val Gln Leu Leu Glu Ser Gly Gly
50 55 60

Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly
65 70 75 80

Phe Thr Phe Ser His Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly
85 90 95

Lys Gly Leu Glu Trp Val Ser Val Ile Ser Pro Ser Gly Gly Arg Thr
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Leu Tyr Ala Asp Ser Val Lys Gly
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Lys
20 25 30

His Tyr Ser Tyr Ala Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr
35 40 45

Val Ser Ser Ser Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro
50 55 60

Gly Gln Thr Ala Ser Val Thr Cys Ser Gly Asp Ala Leu Gly Gln Lys
65 70 75 80

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val
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Ile Phe Gln Asp Ser Lys Arg Pro Ser
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Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr
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Leu Thr Ile Ser Gly Thr Gln Ala Val Asp Glu Ala Asp Tyr Tyr Cys
20 25 30

Gln Ala Trp Asp Thr Thr Ala Tyr Val Phe Gly Thr Gly Thr Lys Val
35 40 45

Thr Val Leu Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln
50 55 60

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
65 70 75 80

Ser His Tyr Ser Met Gln Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
85 90 95

Glu Trp Val Ser Tyr Ile Gly Ser Ser Gly Gly Asn Thr Tyr Tyr Ala
100 105 110

Asp Ser Val Lys Gly
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
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Val Thr Val Ser Ser
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Phe Phe Phe Ala Pro Ala Ser Ser Tyr Asn Leu Asp Val Arg Gly

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Ala Arg Ser Phe Ser Pro Pro Arg Ala Gly Arg His Phe Gly Tyr Arg
35 40 45

Val Leu Gln Val Gly Asn Gly Val Ile Val Gly Ala Pro Gly Glu Gly
50 55 60

Asn Ser Thr Gly Ser Leu Tyr Gln Cys Gln Ser Gly Thr Gly His Cys
65 70 75 80

Leu Pro Val Thr Leu Arg Gly Ser Asn Tyr Thr Ser Lys Tyr Leu Gly
85 90 95

Met Thr Leu Ala Thr Asp Pro Thr Asp Gly Ser Ile Leu Ala Cys Asp
100 105 110

Pro Gly Leu Ser Arg Thr Cys Asp Gln Asn Thr Tyr Leu Ser Gly Leu
115 120 125

Cys Tyr Leu Phe Arg Gln Asn Leu Gln Gly Pro Met Leu Gln Gly Arg
130 135 140

Pro Gly Phe Gln Glu Cys Ile Lys Gly Asn Val Asp Leu Val Phe Leu
145 150 155 160

Phe Asp Gly Ser Met Ser Leu Gln Pro Asp Glu Phe Gln Lys Ile Leu
165 170 175

Asp Phe Met Lys Asp Val Met Lys Leu Ser Asn Thr Ser Tyr Gln
180 185 190

Phe Ala Ala Val Gln Phe Ser Thr Ser Tyr Lys Thr Glu Phe Asp Phe
195 200 205

Ser Asp Tyr Val Lys Trp Lys Asp Pro Asp Ala Leu Leu Lys His Val
210 215 220

Lys His Met Leu Leu Leu Thr Asn Thr Phe Gly Ala Ile Asn Tyr Val
225 230 235 240

Ala Thr Glu Val Phe Arg Glu Glu Leu Gly Ala Arg Pro Asp Ala Thr
245 250 255

Lys Val Leu Ile Ile Ile Thr Asp Gly Glu Ala Thr Asp Ser Gly Asn
260 265 270

Ile Asp Ala Ala Lys Asp Ile Ile Arg Tyr Ile Ile Gly Ile Gly Lys
275 280 285

His Phe Gln Thr Lys Glu Ser Gln Glu Thr Leu His Lys Phe Ala Ser
290 295 300

Lys Pro Ala Ser Glu Phe Val Lys Ile Leu Asp Thr Phe Glu Lys Leu
305 310 315 320

Lys Asp Leu Phe Thr Glu Leu Gln Lys Lys Ile Tyr Val Ile Glu Gly
325 330 335

Thr Ser Lys Gln Asp Leu Thr Ser Phe Asn Met Glu Leu Ser Ser Ser
340 345 350

Gly Ile Ser Ala Asp Leu Ser Arg Gly His Ala Val Val Gly Ala Val
355 360 365

Gly Ala Lys Asp Trp Ala Gly Gly Phe Leu Asp Leu Lys Ala Asp Leu
370 375 380

Gln Asp Asp Thr Phe Ile Gly Asn Glu Pro Leu Thr Pro Glu Val Arg
385 390 395 400

Ala Gly Tyr Leu Gly Tyr Thr Val Thr Trp Leu Pro Ser Arg Gln Lys
405 410 415

Thr Ser Leu Leu Ala Ser Gly Ala Pro Arg Tyr Gln His Met Gly Arg
420 425 430

Val Leu Leu Phe Gln Glu Pro Gln Gly Gly His Trp Ser Gln Val
435 440 445

Gln Thr Ile His Gly Thr Gln Ile Gly Ser Tyr Phe Gly Gly Glu Leu
450 455 460

Cys Gly Val Asp Val Asp Gln Asp Gly Glu Thr Glu Leu Leu Leu Ile
465 470 475 480

Gly Ala Pro Leu Phe Tyr Gly Glu Gln Arg Gly Gly Arg Val Phe Ile
485 490 495

Tyr Gln Arg Arg Gln Leu Gly Phe Glu Glu Val Ser Glu Leu Gln Gly
500 505 510

Asp Pro Gly Tyr Pro Leu Gly